



ATHARVA EDUCATIONAL TRUST'S  
**ATHARVA COLLEGE OF ENGINEERING**

(Approved by AICTE, Recognized by Government of Maharashtra  
& Affiliated to University of Mumbai - Estd. 1999 - 2000)  
ISO 2100:2018 ISO 14001:2015 ISO 9001:2015  
NAAC Accredited with Grade A+

**ACADEMIC YEAR: 2024-25 (EVEN SEMESTER)**

**Department of Humanities and Applied Sciences**

DATE: 20/02/2025

**Report on Industrial visit 2024-25**

**Visit to Digital Circuits Pvt. Ltd. and KYNES Pvt. Ltd., Bangalore**

**1. Introduction**

As part of our academic curriculum, an industrial visit was organized for first-year students, 77 students along with two faculty members were visited to Digital Circuits Pvt. Ltd. on 9th February 2025 and KYNES Pvt. Ltd. on 13th February 2025. The purpose of this visit was to bridge the gap between theoretical knowledge and practical applications in the field of digital circuits, embedded systems, and industrial automation.

**2. Objectives of the Visit**

1. To provide students with exposure to real-world industrial processes.
2. To understand the functioning and manufacturing of digital circuits and embedded systems.
3. To gain knowledge of automation and software integration in industrial applications.
4. To interact with industry professionals and understand career opportunities in the electronics and automation sectors.

**3. Visit to Digital Circuits Pvt. Ltd. (9th February 2025)**

**About the Company**

Digital Circuits Pvt. Ltd. is a well-established electronics manufacturing company based in Bangalore. It specializes in PCB (Printed Circuit Board) design, embedded systems, and digital electronic components. The company caters to industries such as telecommunications, consumer electronics, and industrial automation.



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### **Key Learnings from the Visit**

- Students observed PCB design and fabrication processes, including etching, soldering, and quality testing.
- Experts explained the role of microcontrollers and microprocessors in embedded systems.
- The company demonstrated testing and debugging techniques used in circuit manufacturing.
- Students learned about the importance of signal processing and power management in digital circuits.

### **4. Visit to KYNES Pvt. Ltd. (13th February 2025)**

#### **About the Company**

KYNES Pvt. Ltd. is a leading automation and robotics company in Bangalore. It specializes in industrial automation, IoT solutions, and artificial intelligence-driven systems. The company provides automation solutions to various sectors, including manufacturing, healthcare, and logistics.

#### **Key Learnings from the Visit**

- Students were introduced to robotic automation systems and their applications in industries.
- Experts explained the working of Programmable Logic Controllers (PLCs) and their role in automation.
- The company demonstrated IoT-enabled smart devices and real-time monitoring systems.
- Students gained insights into machine learning applications in automation.

### **5. Outcomes of the Industrial Visit**

1. **Enhanced Practical Knowledge:** Students gained hands-on exposure to digital circuits, embedded systems, and industrial automation.
2. **Industry Interaction:** Direct interaction with professionals helped students understand career prospects in electronics and automation.

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3. Technology Awareness: Students learned about the latest advancements in IoT, AI, and robotics.
4. Application of Theoretical Concepts: The visit helped students correlate their academic learning with real-world industrial practices.

**6. Conclusion**

The industrial visits to Digital Circuits Pvt. Ltd. and KYNES Pvt. Ltd. were highly beneficial for the students. They provided valuable insights into the electronics and automation industries, equipping students with knowledge of practical applications, industry standards, and emerging technologies. This experience will help them develop a strong foundation for their future careers.

Submitted by:

Dr.Rajendra Mahajan

Date: 24 February 2025

**Photographs of the Event:**





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